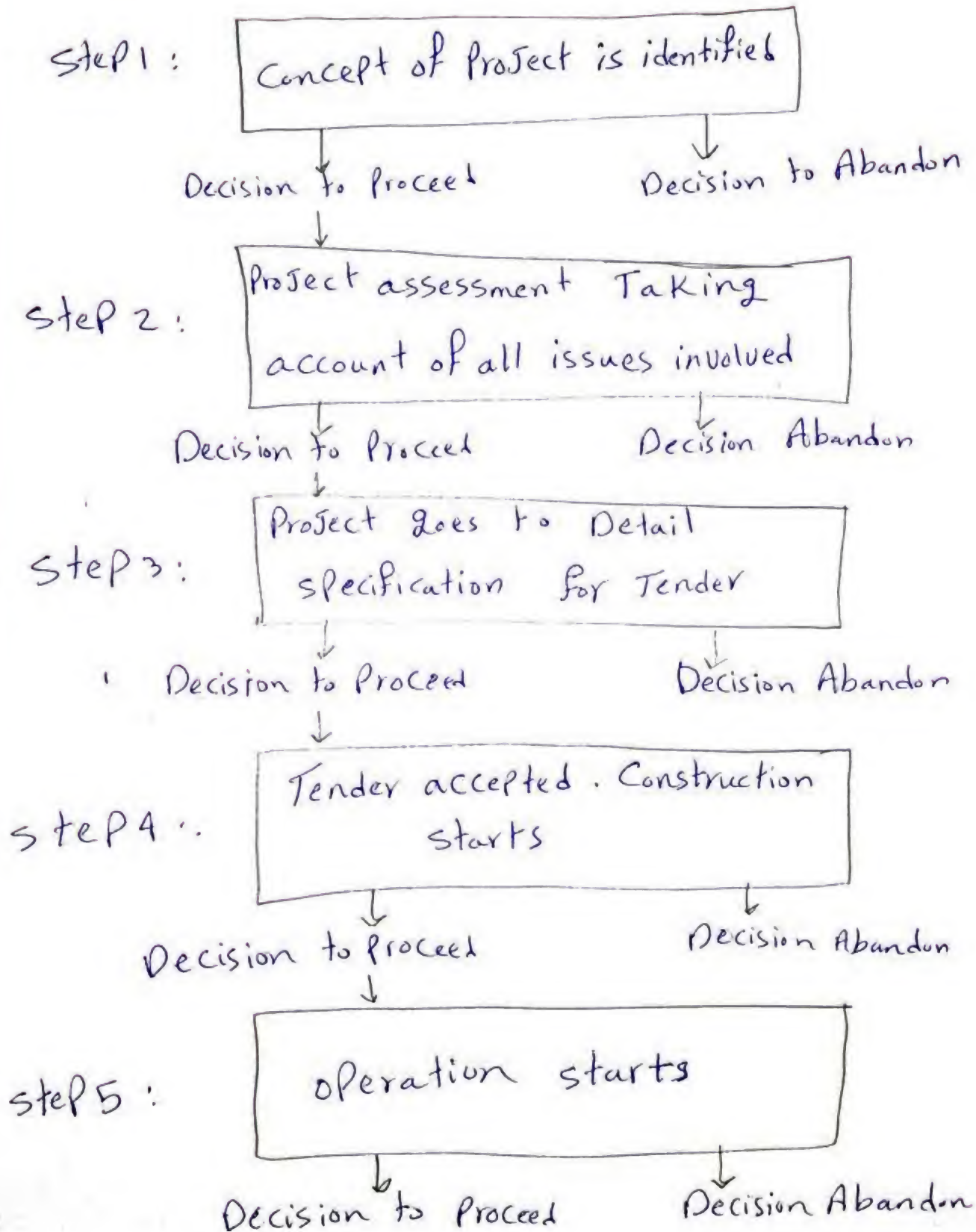


## Sheet 1

EXplain essential steps in the process of making a decision for a project establishment?



2) Mention uncertainties related to decision making for an investment?

- \* Currency change.
  - \* How to attract ~~your~~ customers?
  - \* Will the competitors reduce their fees?
  - \* Governmental regulations and legislations increase and change.
  - \* What new services will the competitor offer and what should you do in response.
- 

3) state the factors affecting decision making?

- ① new technologies and better information distribution.
- ② ~~Complex~~ complex operations and organization structures.
- ③ Rapidly changing global economies and market
- ④ increasing governmental regulation coupled with political destabilization.



④ State different management levels in general and apply these level to your university?

top-level & middle-level & First level

top-level  $\Rightarrow$  university President and his vice

Mid-level  $\Rightarrow$  Dean of college, <sup>vice</sup> ~~Deputy~~ Dean of the colleges.

First level  $\Rightarrow$  Department managers - Doctors - (Head of Department)

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⑤ Define data, information and meta data and give ex.?

a) data: raw items about things, events, activities and transactions are recorded classified and stored but aren't organized to convey any specific meaning.

$\rightarrow$  Data can be sounds, figures or images.

b) Information: data that have been organized in a manner that gives them meaning to become understandable.

## \* meta data

↳ is data about data such as:

Purpose of the data, Time and data of creation, creator or author of data.

ex digital image may include metadata that describe how large picture is, color depth, image resolution.

(5)

Distance between  
s & t → 2 years  
calculate

change in labor  
and Capital Productivity  
in the 2 years

Data	s	t
quantity Produced (thousands)	21.5	24.6
no. of employees (1)	75	80
yearly hours per employee (2)	1772	1760
employee yearly hours = (1) * (2)	132900	140800
machine hours	8500	9100

$$IY(s, t) = \frac{Y_t}{Y_s} = \frac{24.6}{21.5} = 1.1442$$

$$IL(s, t) = \frac{L_t}{L_s} = \frac{140800}{132900} = 1.0594$$

→ Variation of Labor Productivity

$$\frac{IY_{s,t}}{IL_{s,t}} = \frac{1.1442}{1.0594} = 1.08$$

change is  
8 %



change in ~~cap~~ Capital Productivity

$$IY(s,t) = 1.1442$$

$$IC(s,t) = \frac{9100}{8500} = 1.07$$

→ Variation in Capital Productivity

$$\frac{IY(s,t)}{IC(s,t)} = \frac{1.1442}{1.07} = 1.069$$

→ change in Capital Prod. = 6.9 %

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Knowledge: refers to information having been processed, organized in some way.

Wisdom: ~~use~~ involves using Knowledge for the greater good. The seeking of Knowledge to apply to the given problem.